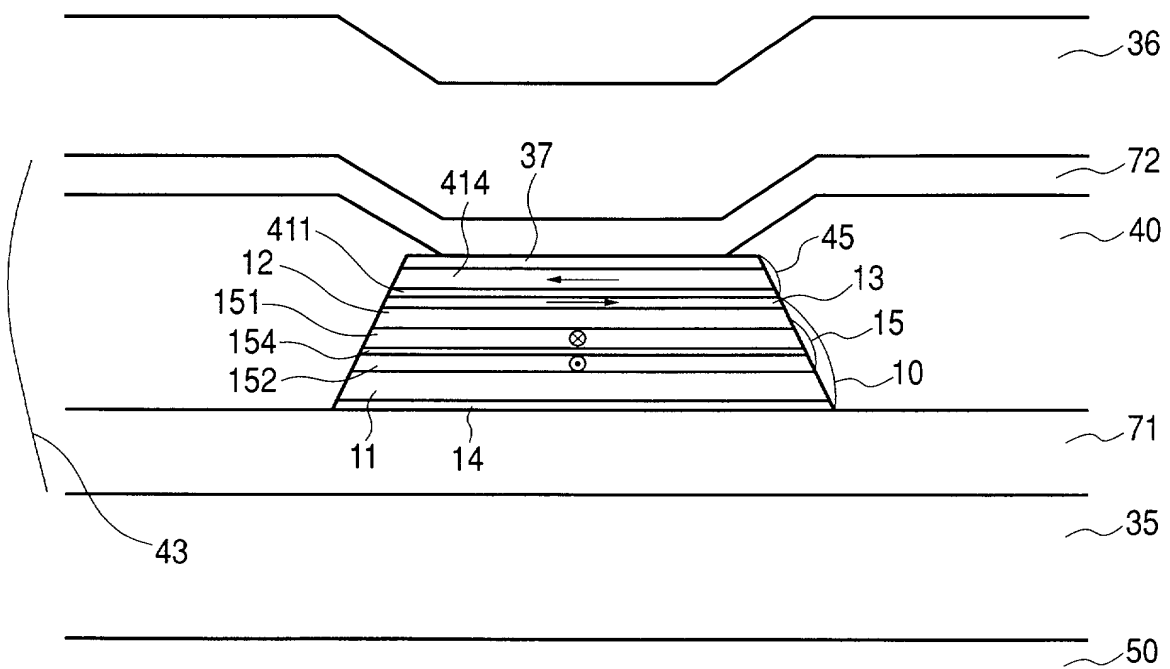


**FIG. 2**



**FIG. 3**

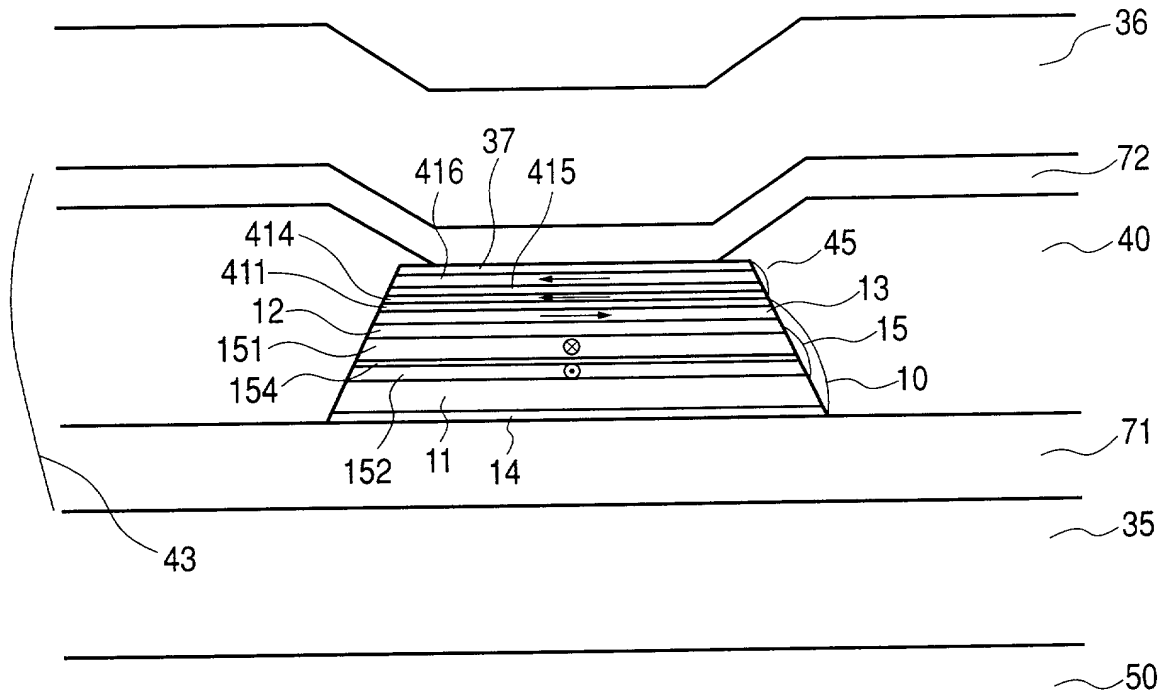
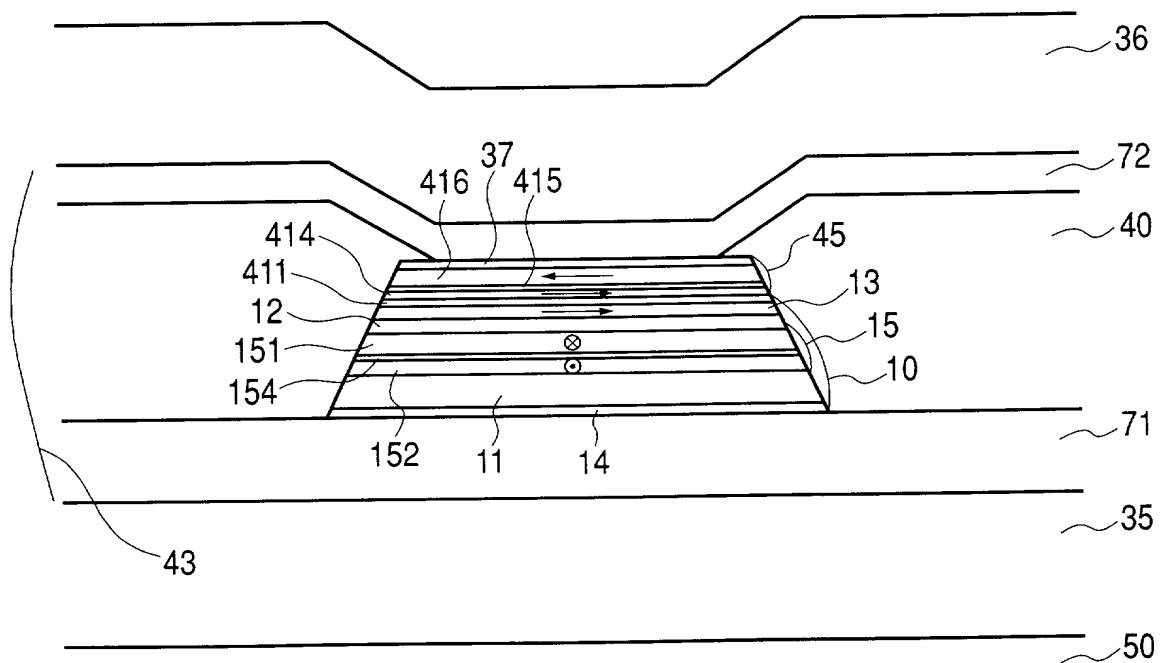
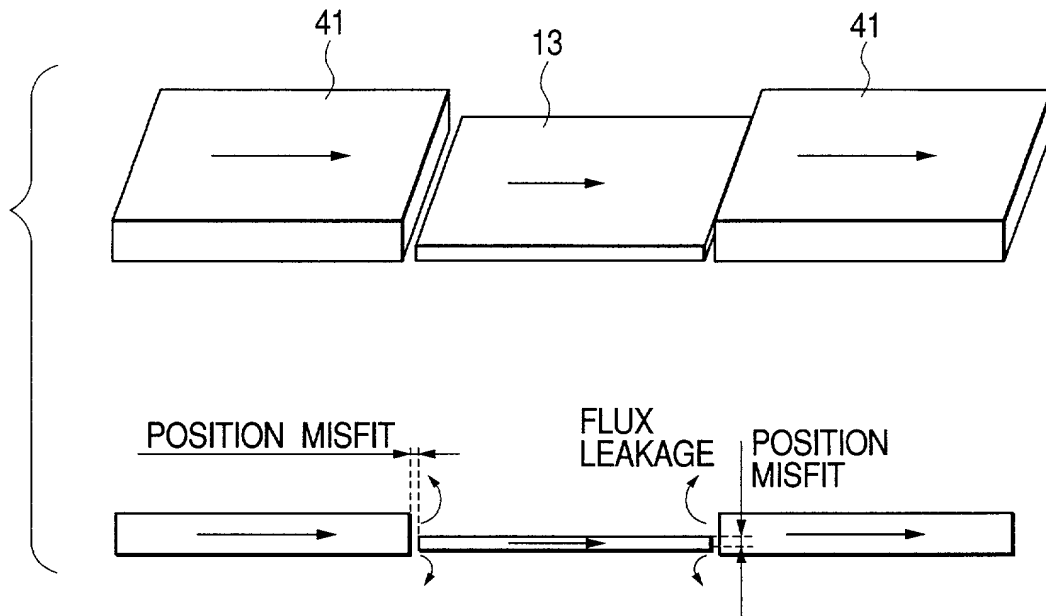


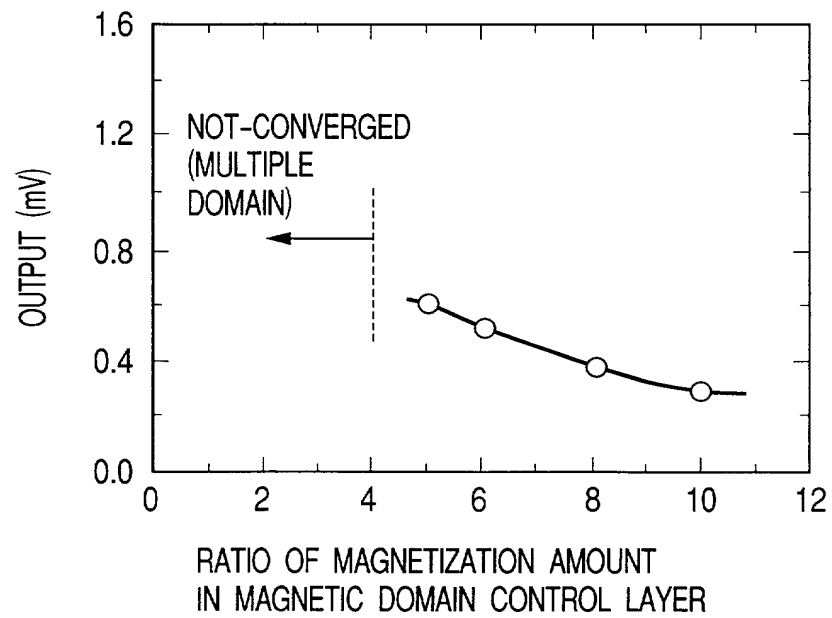
FIG. 4

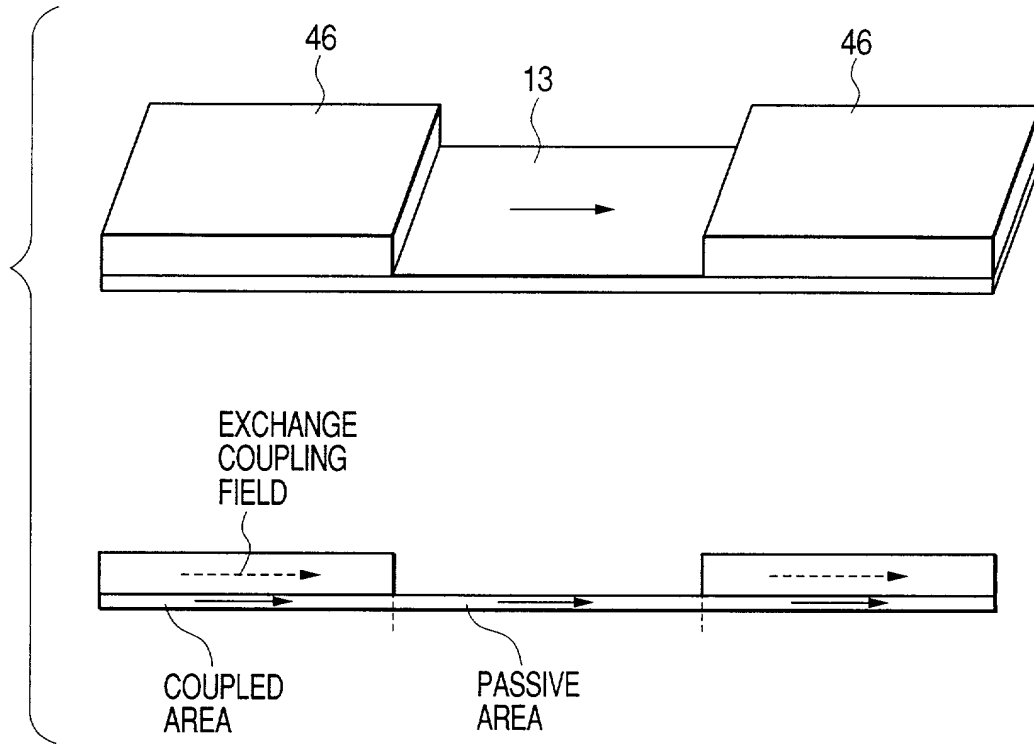
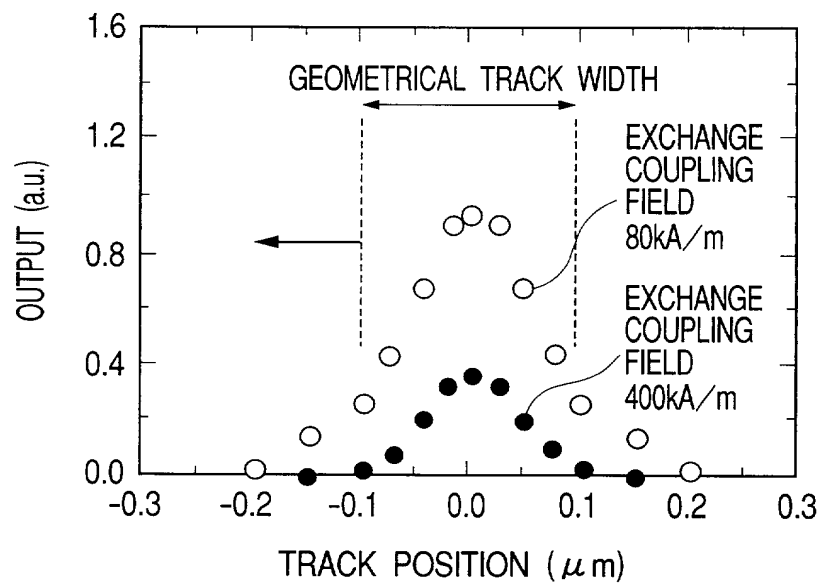


**FIG. 5**



**FIG. 6**



**FIG. 7****FIG. 8**

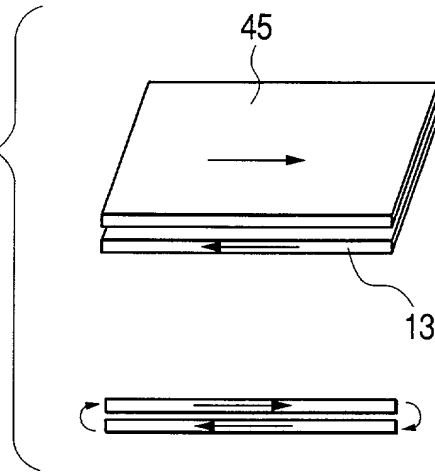
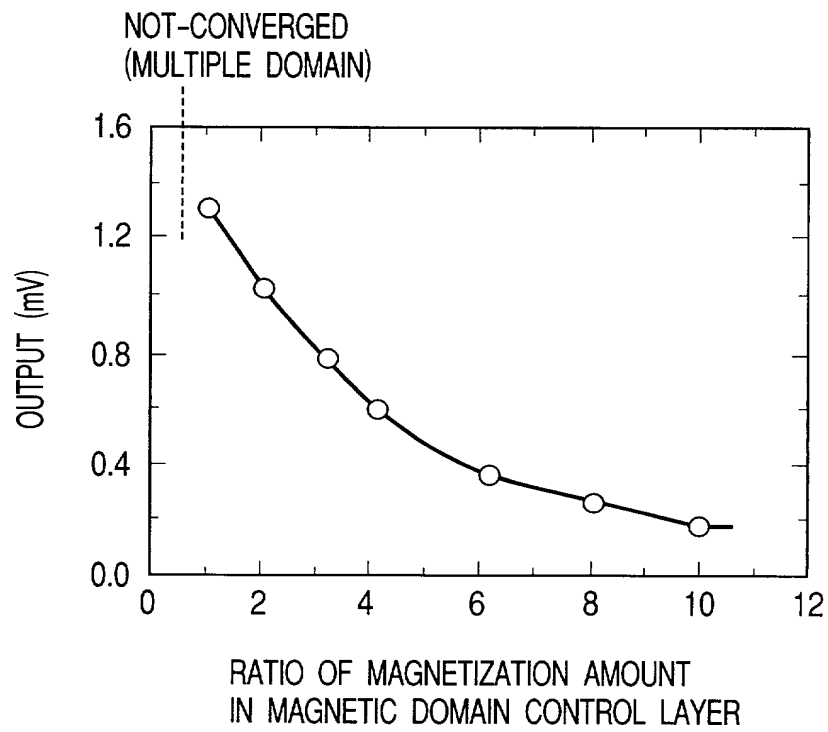
*FIG. 9**FIG. 10*

FIG. 11

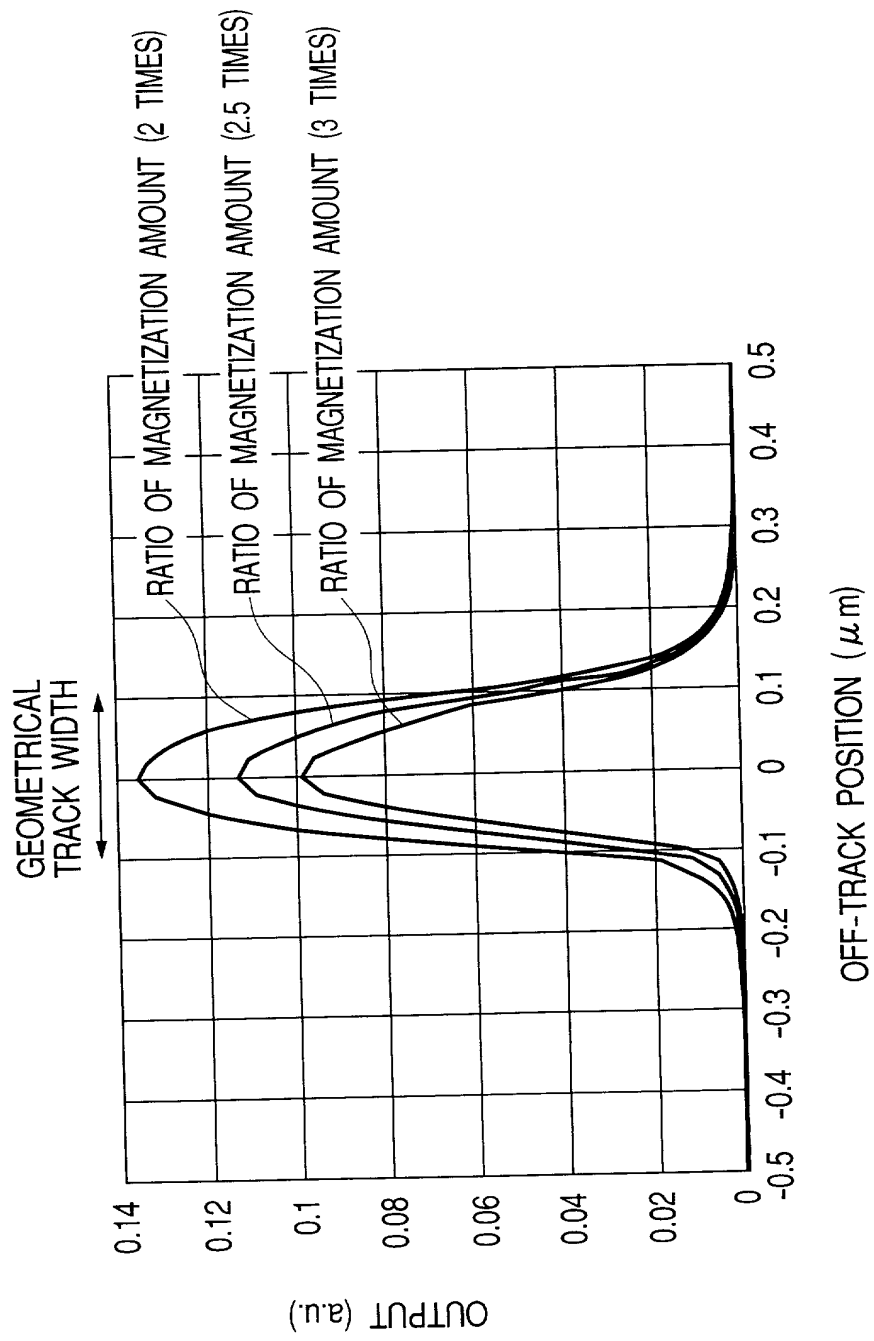
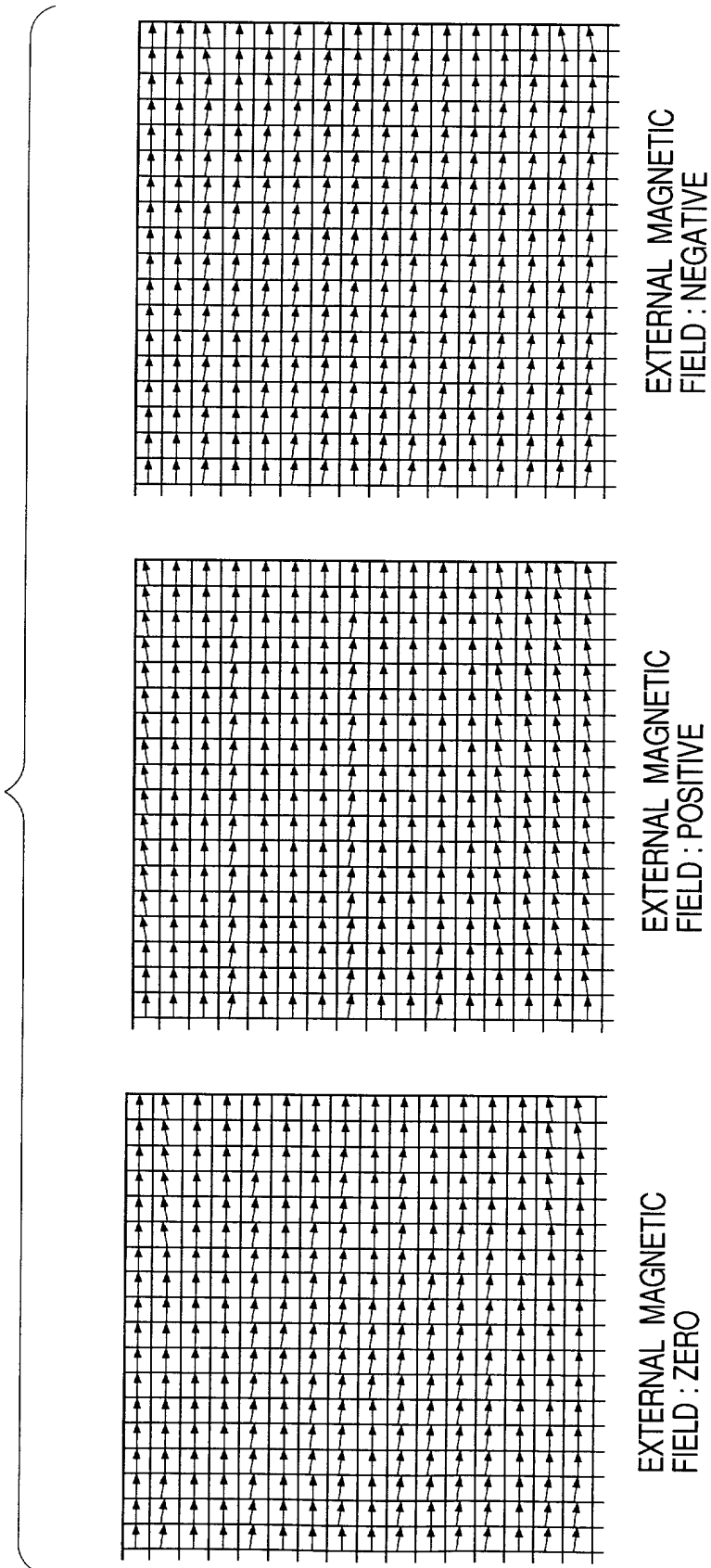
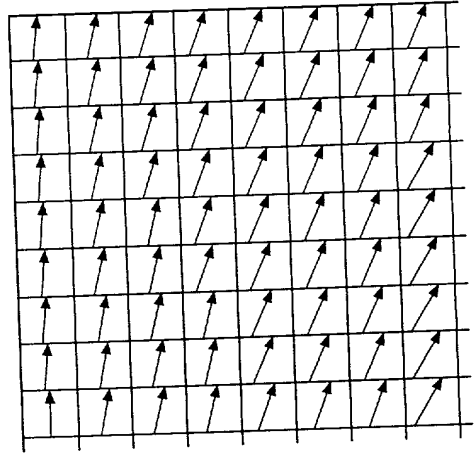


FIG. 12

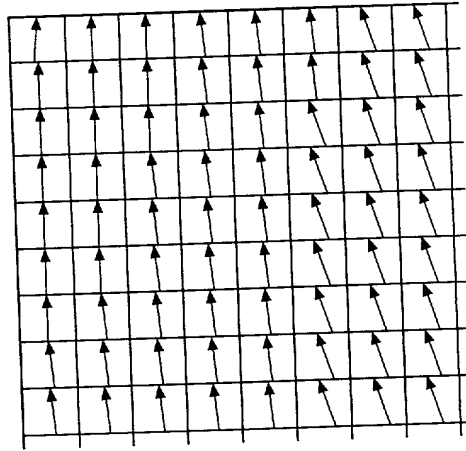


MAGNETIZATION DISTRIBUTION  
IN HARD-BIAS FILM

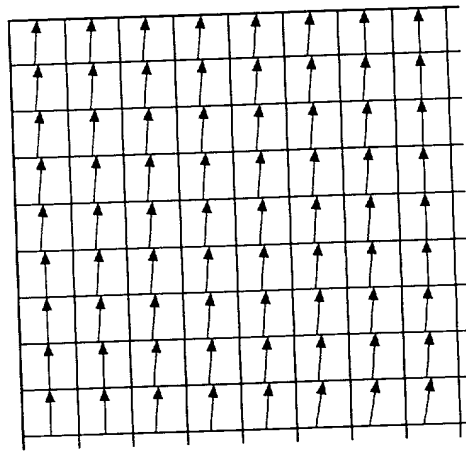
FIG. 13



EXTERNAL MAGNETIC  
FIELD : NEGATIVE



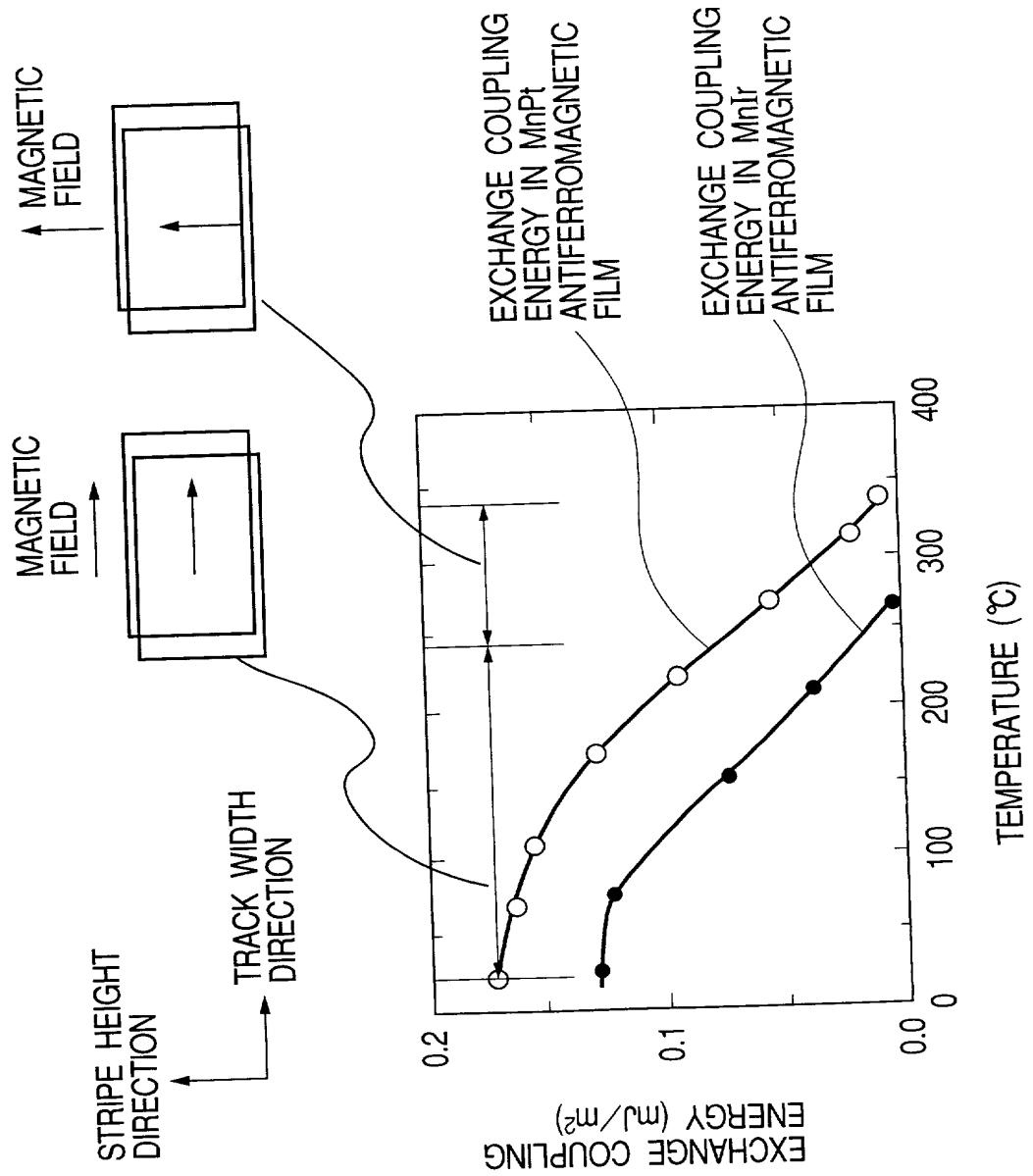
EXTERNAL MAGNETIC  
FIELD : POSITIVE

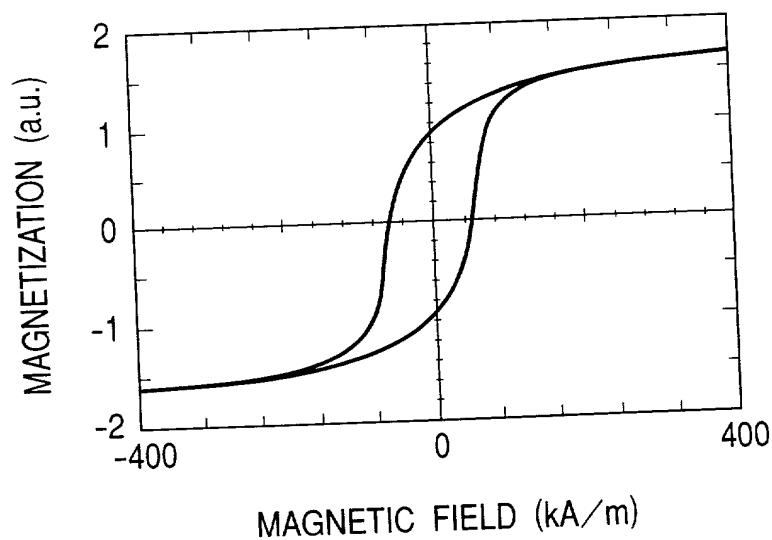
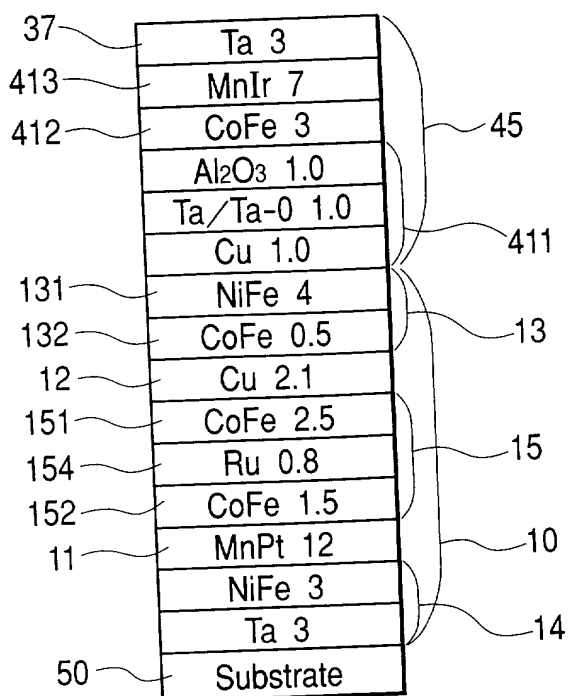


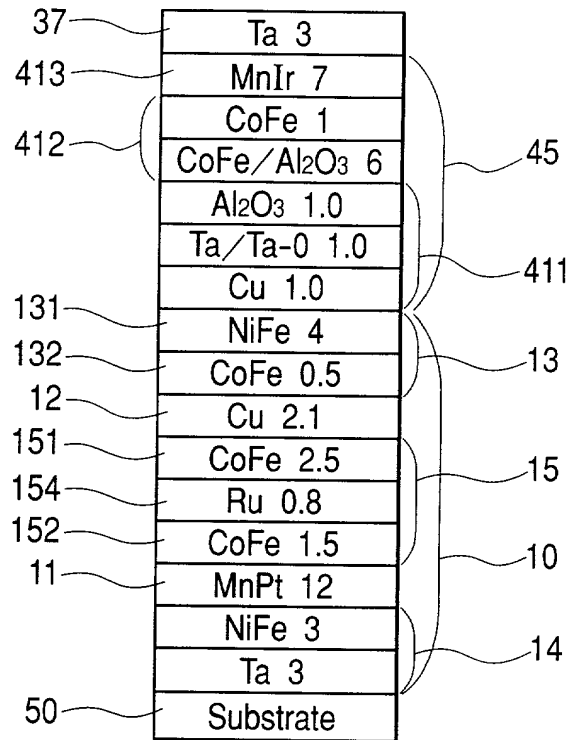
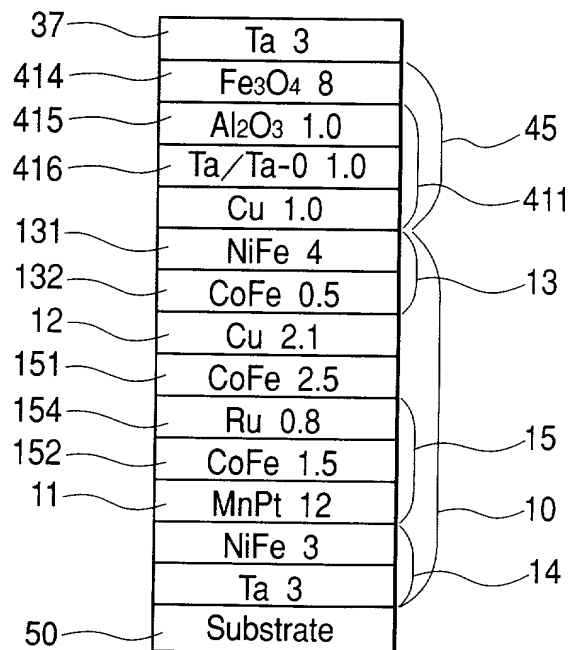
EXTERNAL MAGNETIC  
FIELD : ZERO

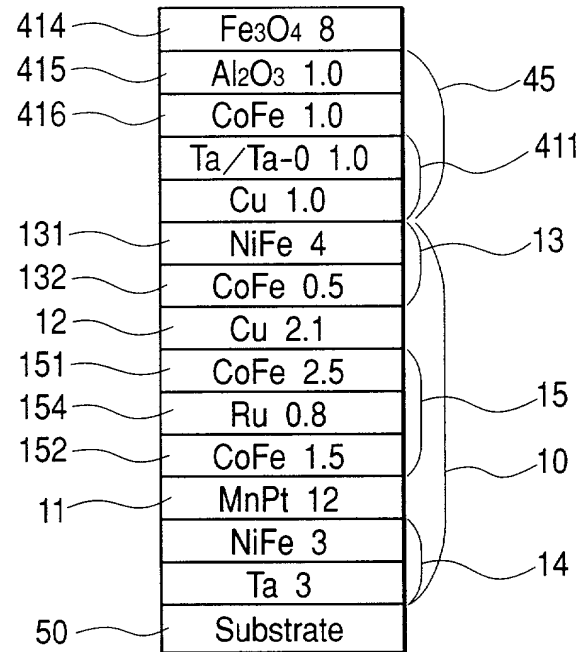
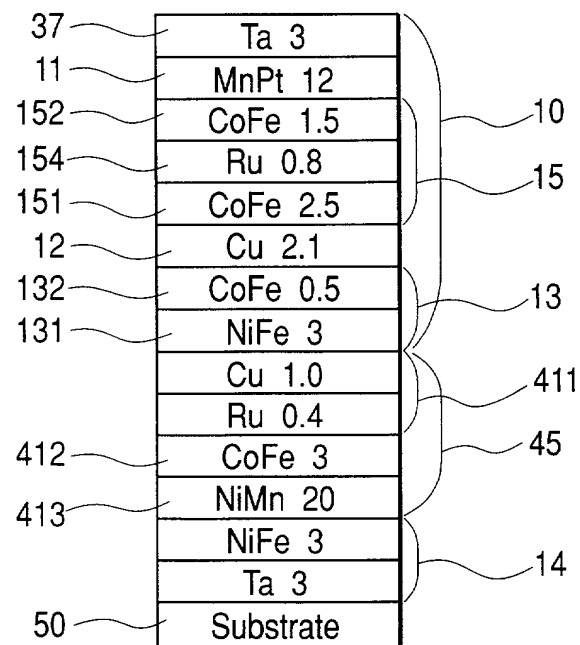


FIG. 14

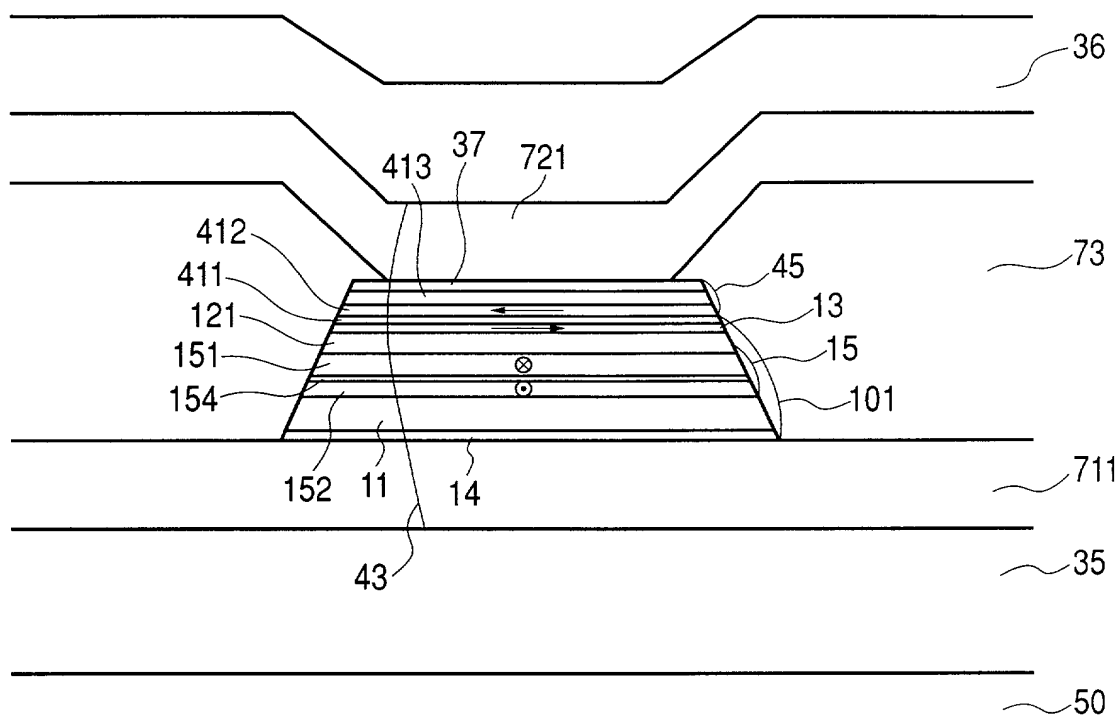


**FIG. 15****FIG. 16**

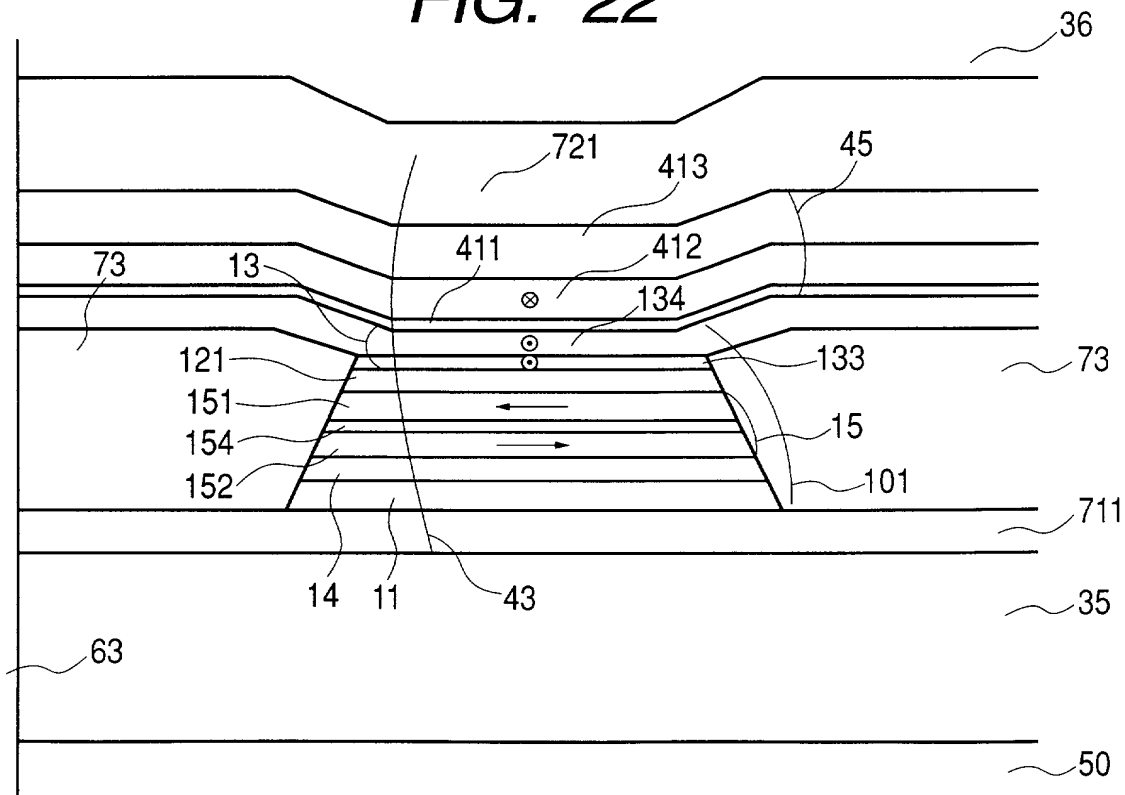
**FIG. 17****FIG. 18**

**FIG. 19****FIG. 20**

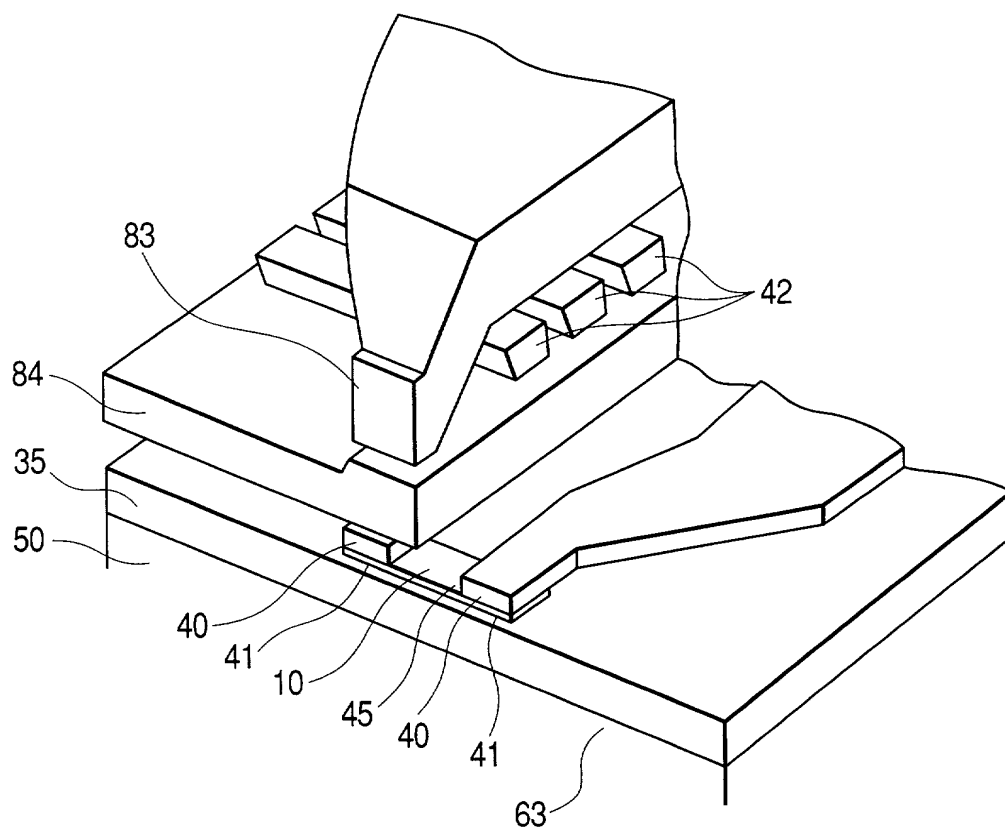
**FIG. 21**



**FIG. 22**



**FIG. 23**



**FIG. 24**

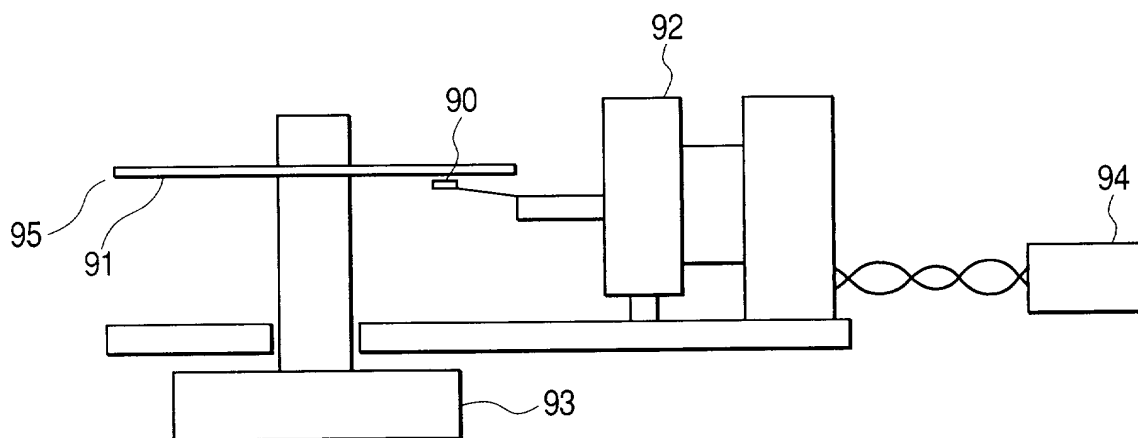


FIG. 25

